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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/549,369	09/14/2005	Pim Theo Tuyls	NL030238	3473

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EXAMINER

WILLIS, RANDAL L

ART UNIT	PAPER NUMBER
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2629

MAIL DATE	DELIVERY MODE
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07/20/2009

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/549,369	Applicant(s) TUYLS ET AL.	
	Examiner RANDAL WILLIS	Art Unit 2629	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 14 September 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-6 and 11 is/are rejected.
- 7) ☒ Claim(s) 7-10 and 12 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 14 September 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>9/14/05</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This office action is in response to application 10/549,369 filed September 14th 2005. Claims 1-12 are currently pending and have been examined.

Priority

2. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Information Disclosure Statement

3. The information disclosure statement (IDS) submitted on 9/14/2005 is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-6 and 11 rejected under 35 U.S.C. 102(b) as being anticipated by Stearns (5,917,464).

Apropos claim 1, Stearns teaches:

A trusted display device (LCD B, Fig. 1b) for, upon being superimposed on an untrusted display (document to be read Col 4 lines 39-43), reconstructing a graphical message (Col 5 lines 17-26), said device comprising a display screen (LCD B, Fig. 1b) having a plurality of independently addressable pixels, and a plurality of sensors (sensor array C, Fig. 1b) associated with at least a subset of the pixels of said display screen (Col 4 lines 1-4) and arranged such that they, when the displays are superimposed, are able to detect optically encoded information presented by an underlying pixel of the untrusted display (Col 4 lines 50-59, when scanning a document the sensor array and LCD are synchronized so that the LCD updates the image in the same time the sensors read the information).

Apropos claim 2, Stearns teaches:

The display device of claim 1, wherein said subset of pixels of said display screen comprises all pixels of said display screen (Col 4 lines 1-4, Col 6 lines 7-16).

Apropos claim 3, Stearns teaches:

The display device of claim 1, wherein said display device further comprise at least one sensor associated with each pixel of said display screen (Col 4 lines 1-4).

Apropos claim 4, Stearns teaches:

The display device of claim 1, wherein the optically encoded information is in the form of time or amplitude modulated light intensity (Col 10 lines lines 9-13, photodiodes detect intensity of scanned image to control LCD display).

Apropos claim 5, Stearns teaches:

The display device of claim 1, wherein said display device (1) further comprises means for adapting the activation of its pixels based on said information sensed (Col 10 lines lines 9-13, photodiodes detect intensity of scanned image to control LCD display).

Apropos claim 6, Stearns teaches:

The display device of claim 1, wherein said display screen is a liquid crystal display screen (LCD B, Fig. 1b) a first side of which comprise said sensors (Sensor array C, Fig. 1b) and a second side of which is essentially covered by a first polarization filter (26, Fig. 1b) and said display device further is arranged to receive upon said sensors incident light of a first polarization direction (light Flux passes through polarization filter 26 before striking the sensor array C, Fig. 1b).

Apropos claim 11, Stearns teaches:

A method for reconstructing a graphical message on a display screen of a trusted display device said display screen having a plurality of independently addressable pixels and sensors, said method comprising the steps of:

superimposing said display screen of said trusted display device on an untrusted display (Col 4 lines 36-42);

sensing information presented by an underlying pixel of the untrusted display using said sensors (Col 4 lines 50-59, when scanning a document the sensor array and LCD are synchronized so that the LCD updates the image in the same time the sensors read the information);

adapting the activation of the pixels of said display screen of said trusted display device based on said information sensed (Col 4 lines 50-59, when scanning a document the sensor array and LCD are synchronized so that the LCD updates the image in the same time the sensors read the information).

Allowable Subject Matter

Claims 7-10 and 12 objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to RANDAL WILLIS whose telephone number is (571)270-

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1461. The examiner can normally be reached on Monday to Thursday, 8am to 5pm (EST).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Amr Awad can be reached on 571-272-7764. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

RLW

/Amr Awad/
Supervisory Patent Examiner, Art Unit 2629